

CREATING
OPPORTUNITIES
FOR STUDENTS TO
KEEP WYOMING
STRONG

MEMORANDUM NO. 2019-015

TO: Superintendents
K-12 Principals
K-12 Science Teachers
Curriculum Directors
Instructional Coaches/Facilitators

FROM: Kari Eakins, Chief Policy Officer

DATE: February 4, 2019

SUBJECT: Science Professional Development Opportunity



JILLIAN BALOW

Superintendent of Public Instruction

DICKY SHANOR

Chief of Staff

SHELLEY HAMEL

Chief Academic Officer

KARI EAKINS

Chief Policy Officer

TRENT CARROLL

Chief Operations Officer



CHEYENNE OFFICE

122 W. 25th St. Suite E200
Cheyenne, WY 82002
307-777-7675

RIVERTON OFFICE

320 West Main
Riverton, WY 82501
307-857-9250



ON THE WEB

edu.wyoming.gov
twitter.com/WYOEducation
facebook.com/WYOEducation

SCIENCE PROFESSIONAL DEVELOPMENT OPPORTUNITY

The Wyoming Department of Education (WDE) will sponsor a science workshop in three two-day sessions in Newcastle. The "[Five Tools](#) and Processes for Translating Wyoming Science Standards Into Classroom Instruction and Assessment" workshop is for K-12 Science Educators, Instructional Facilitators, and Curriculum Coordinators.

The series will be facilitated by Sharla Dowding, Science/Career & Vocational Education Consultant at the WDE. Participants can receive up to three PTSE or UW credits. Registration is available [online](#).

The Five Tools workshop schedule includes:

- March 11-12
 - Tool 1 - 3D Unit Blueprint: Using the Framework and the state's Science Standards to develop a 3D unit blueprint.
 - Tool 2 - 3D Evidence of Learning Specifications: Developing Evidence of Learning specifications for classroom assessments using performance expectations.
- April 15-16
 - Tool 3 - 3D Storyline About Phenomena: Developing a conceptual flow and storyline about phenomena using the 5E Instructional Model.

- Tool 4 - 3D Learning Sequence Outline: Designing 3D learning sequences using the 5E Instructional Model.
- May 13-14
 - Tool 5 - 3D Assessment: Developing 3D performance tasks and rubrics using Evidence of Learning Specifications.

Participants will develop a deeper understanding of the [2016 Wyoming Science Standards](#) and [A Framework for K-12 Science Education](#). They will also investigate processes for developing 3D instruction and assessment, and construct an instructional blueprint anchored in phenomena, science, and engineering practices. All participants will receive professional development facilitation guides, slides, handouts, copies of the workshop agendas, and templates for each of the Five Tools.

*For more information, contact Sharla Dowding at 307-777-8753,
or sharla.dowding@wyo.gov.*